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RI/DPD

DPD 3991-62

16 JUL 1962

MEMORANDUM FOR : Chief, Development Division, OSA

SUBJECT : Twin-Turbine Gear Box and Power Package for
STOL Aircraft ApplicationREFERENCE : A. Memorandum, Subject: Letter of Transmittal, dated
30 March 1962 (DPD 2148-62) with attachment (ref B below)B. Memorandum, Subject: Proposal for a Twin-Turbine
Powered STOL Aircraft (DPD 2113-62) (ref A above)

1. In accordance with earlier discussions between [redacted] of this office, and [redacted] and Mr. Parangosky (DD/OSA), and in accordance with the above referenced memorandum, this memo verifies the requirement for development of the subject Twin-Turbine gear box and power package.

2. The study submitted by [redacted] promises considerable increase in potential of the present line of Agency Short Take-off and Land (STOL) aircraft; ie, increased range, payload, speed, and STOL capabilities. This is particularly interesting since other approaches to this problem have always resulted in a gain in one capability while the remaining capabilities were reduced considerably.

3. Attached are copies of some of the latest information received on [redacted] progress with the various models of the T-63 engine. Mr. [redacted] was for use with the T-63A-3 version. It should be noted that the prototype engines will cost an estimated \$32,000 each. Perhaps we can borrow two from Wright-Patterson or [redacted]

4. It is recommended that the earliest possible go-ahead be given for development of such a gear-box. This program should be designed to provide a certificated final product at the earliest practical date, with the least time and dollars consumed for prototype or experimental models. Since the end product will be married to the T-63 engine and subsequently to the [redacted] it is also recommended that [redacted] be brought into the picture very early as consultants on pertinent matters. [redacted] of this office will monitor this project from an operational aspect and will assist in every way possible.

[redacted]
Acting Chief, Air Support Branch, APD

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ASB/DPD, [REDACTED]

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